

"Watson, Cheryl S."
<cswatson@UTMB.EDU>
01/05/2012 11:07 AM

To "esseneinfo@aol.com", Richard Kauffman
cc (b) (6), Elizabeth Allen,
(b) (6) "jae.p.douglas@state.or.us",
"karen.bishop@state.or.us", "keo1@cdc.gov",
"lwilder@cdc.gov", "matthew.e.dubrow@state.or.us",
(b) (6)
bcc
Subject RE: Highway 36 Team Meeting with Dr. Cheryl Watson

Absolutely. Very well summarized Day. I can speak to the issues you listed as characteristics of endocrine disruptors, just not specifically on 2,4-D as I have no data on that particular compound. I just wanted to make sure I was only taking credit for what I have actually done, and that all parties understand from whence my ideas come. The work on combinations of compounds is so far published for simple combinations of one disruptor with one endogenous hormone only. Work on multiple compounds is just now being done, so you will understand that this is in progress, but we do have some results.

Cheryl S. Watson, PhD
Professor, Biochemistry & Molecular Biology Dept.
University of Texas Medical Branch, Galveston TX 77555-0645
phone or FAX -- (409) 772-2382; email -- cswatson@utmb.edu
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nd
[For 2](#) Life Members – please visit my virtual office at [UTMB Island Alpha \(85, 115, 39\)](#)
(for emergencies where UTMB email does not operate, contact me at (b) (6))

Join our global grid computing effort to find cures by donating your unused computer time to the
[Explore World Community Grid page](#)

From: esseneinfo@aol.com [mailto:esseneinfo@aol.com]
Sent: Thursday, January 05, 2012 12:27 PM
To: Watson, Cheryl S.; Kauffman.Richard@epamail.epa.gov
Cc: (b) (6); Allen.Elizabeth@epamail.epa.gov; (b) (6);
jae.p.douglas@state.or.us; karen.bishop@state.or.us; keo1@cdc.gov; lwilder@cdc.gov;
matthew.e.dubrow@state.or.us; (b) (6)
Subject: Re: Highway 36 Team Meeting with Dr. Cheryl Watson

Cheryl, Richard's team, and other recipients:

I had previously informed everyone that Cheryl's work was not with 2,4-D. However, based on my talk with her, I felt her research findings were applicable to the current investigation of Triangle Lake area pesticide exposures for the following two reasons; Cheryl, after I list these two reasons please "reply all" and state whether or not you feel I am in error in regard to the applicability:

1. 2,4-D, atrazine, and several of the other herbicides used in forestry in our area are suspected endocrine disruptors.
2. While Cheryl's work has not been with forestry herbicides, she has done work that reveals a way by which endocrine disruptors, in smaller doses than previously believed, cause health consequences. If her

findings are applicable -- or even possibly applicable -- to the endocrine disruptors that Triangle Lake residents are exposed to, then they are pertinent to our situation.

3. A second area where I feel Cheryl's recent as yet unpublished research can be helpful is her work on the additive effect (that's different than the 'synergistic' effect) that occurs when various chemicals are combined in the human body, as is happening in Triangle Lake. There are about 14 herbicides that get aerial sprayed in our area; it is not enough to consider the potential health consequence of any one herbicide; the true health consequence includes the additive effect which is common, and also any synergistic effect (less common).

Cheryl, based on the above, would you agree that your research findings may be applicable to helping inform our consideration of potential health consequences related to exposure to timber industry endocrine disruptors? -- Day

-----Original Message-----

From: Watson, Cheryl S. <cswatson@UTMB.EDU>

To: Richard Kauffman <Kauffman.Richard@epamail.epa.gov>; esseneinfo <esseneinfo@aol.com>

Cc: danandmaya (b) (6) >; Elizabeth Allen <Allen.Elizabeth@epamail.epa.gov>; gary (b) (6) >; jae.p.douglas <jae.p.douglas@state.or.us>; karen.bishop <karen.bishop@state.or.us>; keo1 <keo1@cdc.gov>; lwilder <lwilder@cdc.gov>; matthew.e.dubrow <matthew.e.dubrow@state.or.us>; spiralmom (b) (6) >

Sent: Wed, Jan 4, 2012 8:53 am

Subject: RE: Highway 36 Team Meeting with Dr. Cheryl Watson

OK - looking forward to it.

Just so no one gets disappointed - please understand that none of my evidence relates directly to 2,4D. But I work on the category of chemicals called endocrine disruptors, including surfactants (alkylphenols), plastics monomers (bisphenols), and a few pesticides. My data speak more to the mechanisms by which this class of compounds operate - particularly that they have nonmonotonic

(nonclassical) concentration-response curves, and that cell receptor signaling

systems respond to very low doses via relatively newly described membrane-associated receptors.

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-----Original Message-----

From: Richard Kauffman [<mailto:Kauffman.Richard@epamail.epa.gov>]

Sent: Wednesday, January 04, 2012 3:33 PM

To: esseneinfo@aol.com; Watson, Cheryl S.

Cc: (b) (6) ; Elizabeth Allen; (b) (6) ;

jae.p.douglas@state.or.us; karen.bishop@state.or.us; keol@cdc.gov;
lwilder@cdc.gov; matthew.e.dubrow@state.or.us; (b) (6)
Subject: Re: Highway 36 Team Meeting with Dr. Cheryl Watson

Thank you Day and Dr. Watson for accommodating this date and time for us. We look forward to the conversation on January 24th at Noon EST, 11:00 AM CST, 9:00 AM PST.

There appears to be confusion over what our comparison of individual test results to the NHANES 95th percentile means, and we are in the process of developing an explanation which we hope will bring clarity to the concept.

Regards,

Richard

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From: esseneinfo@aol.com
To: Richard Kauffman/R10/USEPA/US@EPA
Cc: (b) (6), Elizabeth Allen/R10/USEPA/US@EPA,
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karen.bishop@state.or.us, keol@cdc.gov, lwilder@cdc.gov,
matthew.e.dubrow@state.or.us, (b) (6)
Date: 01/04/2012 10:40 AM
Subject: Re: Highway 36 Team Meeting with Dr. Cheryl Watson

Richard and All: Dr Watson, per the email below, is altering her schedule to accept the time that you requested on January 24; I am including her contact info in case you need to be in touch with her. Also, in regard to your question how her talk will directly pertain to the current study: Your baseline sample found that a high percentage of residents of Triangle Lake are in the top 5% of Americans for 2,4-D levels, yet the letter sent to those residents stated: "The concentration is below a level that would be expected to cause adverse health effects." Dr Watson's information will directly challenge that current agency belief; she will present cutting-edge research that indicates that smaller levels than previously believed -- including the levels found in our local residents -- can cause serious adverse health effects; moreover, she explains her own recent discoveries that lead to that conclusion. Additionally pertinent to the current study, she will share her recent research on the serious health consequences related to the 'additive

effect', which is when one herbicide is combined with another to create a more serious health threat than any one herbicide alone. There are other important ways that her information pertains to the current study, but, pun intended, you get the drift.... Here is her letter accepting your proposed time:

She writes:

I'll have to shift a meeting with local folks to another time, but I can do that pretty easily to make this happen. So I am putting 11-12:30 Texas time into my calendar.

Cheryl S. Watson, PhD
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<lwilder@cdc.gov>; matthew.e.dubrow <matthew.e.dubrow@state.or.us>; spiralmom
(b) (6)
Sent: Wed, Jan 4, 2012 2:32 am
Subject: Re: Highway 36 Team Meeting with Dr. Cheryl Watson

Day,

I apologize for the confusion on my part. I read the requirement backwards from what you intended. I will see what we can do to accommodate Dr. Watson's schedule. The main problem will be having all Atlanta staff available since some leave for the day at 3 pm eastern time, which is 2 pm Texas time.

Richard

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karen.bishop@state.or.us, keol@cdc.gov, (b) (6)
lwilder@cdc.gov, matthew.e.dubrow@state.or.us
Date: 01/03/2012 06:36 PM
Subject: Re: Highway 36 Team Meeting with Dr. Cheryl Watson

Richard, when I communicated those three dates and times that Dr Watson was available, I stated that it needed to be later that the time you are proposing

because she is a professor who teaches in the mornings; however, since her times apparently do not work for your team, I will get back with her and see if she can find a way to get out of class at the time you suggest. If not, we will continue working to find a time that can work for your team and her. Thanks, Day

-----Original Message-----

From: Richard Kauffman <Kauffman.Richard@epamail.epa.gov>
To: esseneinfo <esseneinfo@aol.com>
Cc: danandmaya (b) (6); Elizabeth Allen <Allen.Elizabeth@epamail.epa.gov>;
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karen.bishop <karen.bishop@state.or.us>; keol <keol@cdc.gov>; spiralmom
(b) (6); lwilder <lwilder@cdc.gov>; matthew.e.dubrow
<matthew.e.dubrow@state.or.us>
Sent: Tue, Jan 3, 2012 9:34 am
Subject: Highway 36 Team Meeting with Dr. Cheryl Watson

Hello Day,

It seems that the best time and day for agency staff to attend a conference call with Dr. Watson is January 24 at 9: AM Pacific Time, 11:00 am Texas (Central) Time, Noon Eastern Time. We need to end before 10:30 AM Pacific time to accommodate other appointments.

We can use the ATSDR Region 10 conference line:

Toll free non-responsive Passcode non-responsive

ATSDR headquarters (Atlanta), OHA, and EPA staff will be attending the call, in addition to myself.

Our role in this call will be to listen to Dr. Watson and ask her questions. We look forward to hearing from her. Would you please let Dr. Watson know that we are very interested in her thoughts on how her research can best be used or applied to the exposure investigation we are performing in your community?

Thank you,

Richard

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Elizabeth
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(b) (6), jae.p.douglas@state.or.us,
karen.bishop@state.or.us, keol@cdc.gov
Date: 12/23/2011 02:07 AM
Subject:

Richard, Karen, Jae, and the rest of the team doing the study related to Triangle Lake pesticide exposure:

The first scientist that will participate in a teleconference with your team members will be Dr Cheryl Watson. She is a leading recognized authority on two topics and will be speaking on those topics to you and answering any questions

you want to ask: 1) New cutting-edge evidence that small doses of pesticides, especially endocrine disruptors, are more dangerous than previously believed. While regulators typically focus on monotonic responses, she will describe startling new evidence that non-monotonic responses are also very important.

2)
She will describe her latest research which is on the dangers of the additive effect of more than one pesticide in a concoction.

I NEED YOUR TEAM TO CHOOSE ONE OF THE FOLLOWING THREE DATES AND TIMES THAT WORK

FOR DR WATSON:

Jan 19, Jan 24, or Jan 26, starting no earlier than 12 noon Oregon time, which

would be 2 p.m. her time (Texas; she teaches and does research at a university), and lasting for 90 minutes.

Richard, can you please be the point man for organizing your 'team' and finding

out which day works best for the most significant participants.

It would also be great if one or more of the folks in Atlanta can participate.

ONE MORE THING: We are hearing that Oregon Department of Forestry is refusing to

comply with the original request/demand for records. Link Smith of the ODF

office in Venta told me that, among other things, they do not want to have to produce records for as much territory as in the original request/demand.

Please

provide clarification on this issue as it is sweeping through our community like

wildfire and people are about ready to head to the ODF office with signs and call the media! SPEAKING FOR DOZENS OF COMMUNITY MEMBERS, OUR POSITION IS THAT

WE DO NOT WANT YOU TO CAVE-IN TO THEIR ATTEMPT TO DECREASE THE EXTENT OF THE ORIGINAL

RECORDS REQUEST. Thanks, Day Owen